Please amend the claims as shown in Exhibit A". A clean set of the claims that have been amended are as follows:

1. (Twice Amended) In a wireless telecommunications system having a l	Base
Transceiver Station (BTS) and a mobile terminal equipped with an integrated Global Position	ning
System (GPS) equipped receiver, the Base Transceiver Station having operational control of	f the
GPS-equipped mobile terminal, a method for determining the approximate position of the C	3PS-
equipped mobile terminal, said method comprising the steps of:	
demodulating signals received from a multiplicity of GPS satellites at a reference	GPS
receiver, said reference GPS receiver being connected to the wireless telecommunications sys	stem
and having a determinate physical location relative to the Base Transceiver Station;	
recovering respective navigational data signals from each of said demodulated	GPS
signals;	
originating a request for approximate navigational information from the C	3PS-
equipped mobile terminal to the Base Transceiver Station;	
transmitting recovered navigational data signals to the GPS-equipped mobile term	ıinal
responsive to said request for approximate navigational information; and	
determining, from said transmitted navigational data signals, the approximate local	ation
of the GPS-equipped mobile terminal;	
wherein the GPS satellite signals comprise one of:	

18	Standard Positioning Service (SPS) signals received on an L1 frequency, said
19	L1 frequency being centered at about 1575.42 MHz; or
20	Precise Positioning Service (PPS) signals received on an L2 frequency, said
21	L2 frequency being centered at about 1227.60 MHz.
1	8. (Amended) In a wireless telecommunications system having a Base Transceiver
2	Station (BTS) and a mobile terminal equipped with an integrated Global Positioning System (GPS)
3	equipped receiver, the Base Transceiver Station having operational control of the GPS-equipped
4	mobile terminal, a method for determining the approximate position of the GPS-equipped mobile
5	terminal, said method comprising the steps of:
6	demodulating signals received from a multiplicity of GPS satellites at a reference GPS
7	receiver, said reference GPS receiver being connected to the wireless telecommunications system
8	and having a determinate physical location relative to the Base Transceiver Station;
9	recovering respective navigational data signals from each of said demodulated GPS
10	signals;
11	determining whether the GPS signal strength at the GPS-equipped mobile terminal
12	is adequate to permit initialization of the reference GPS receiver associated with the GPS-equipped
13	mobile terminal within a desired response time;
14	if not, originating a request for approximate navigational information from the GPS-
15	equipped mobile terminal to the Base Transceiver Station:

16	transmitting recovered navigational data signals to the GPS-equipped mobile terminal
17	responsive to said request for approximate navigational information; and
18	determining, from said transmitted navigational data signals, the approximate location
19	of the GPS-equipped mobile terminal.
1	9. (Amended) In a wireless telecommunications system having a Base Transceiver
2	Station (BTS) and a mobile terminal equipped with an integrated Global Positioning System (GPS)
3	equipped receiver, the Base Transceiver Station having operational control of the GPS-equipped
4	mobile terminal, a method for determining the approximate position of the GPS-equipped mobile
5	terminal, said method comprising the steps of:
6	demodulating signals received from a multiplicity of GPS satellites at a reference GPS
7	receiver, said reference GPS receiver being connected to the wireless telecommunications system
8	and having a determinate physical location relative to the Base Transceiver Station;
9	recovering respective navigational data signals from each of said demodulated GPS
10	signals;
11	originating a request for approximate navigational information from the GPS-
12	equipped mobile terminal to the Base Transceiver Station;
13	transmitting recovered navigational data signals to the GPS-equipped mobile terminal
14	responsive to said request for approximate navigational information; and

15	determining, from said transmitted navigational data signals, the approximate location
16	of the GPS-equipped mobile terminal;
17	wherein said step of transmitting is performed via one of:
18	a Cell Broadcast (CB) Short Message Service (SMS) message of the wireless
19	telecommunications system; or
20	a Broadcast Control Channel (BCCH) of the wireless telecommunications
21	system.
1	11. (Amended) In a wireless telecommunications system having a Base Transceiver
2	Station (BTS) and a mobile terminal equipped with an integrated Global Positioning System (GPS)
3	equipped receiver, the Base Transceiver Station having operational control of the GPS-equipped
4	mobile terminal, a method for determining the approximate position of the GPS-equipped mobile
5	terminal, said method comprising the steps of:
6	demodulating signals received from a multiplicity of GPS satellites at a reference GPS
7	receiver, said reference GPS receiver being connected to the wireless telecommunications system
8	and having a determinate physical location relative to the Base Transceiver Station;
9	recovering respective navigational data signals from each of said demodulated GPS
10	signals;
11	originating a request for approximate navigational information from the GPS-
12	equipped mobile terminal to the Base Transceiver Station;

13	transmitting recovered navigational data signals to the GPS-equipped mobile terminal
14	responsive to said request for approximate navigational information;
15	determining, from said transmitted navigational data signals, the approximate location
16	of the GPS-equipped mobile terminal
17	periodically transmitting a Timing Advance parameter from the Base
18	Transceiver Station to the GPS-equipped mobile terminal to dynamically compensate for varying
19	distances between the GPS-equipped mobile terminal and the Base Transceiver Station; and
20	refining said approximate location of the GPS-equipped mobile terminal using said
21	Timing Advance parameter.
1	13. (Twice Amended) In a wireless telecommunications system having a Base
2	Transceiver Station and a mobile terminal equipped with an integrated Global Positioning System
3	(GPS) receiver, the Base Transceiver Station having operational control of the GPS-equipped mobile
4	terminal, a method for determining the approximate position of the GPS-equipped mobile terminal,
5	said method comprising the steps of:
6	demodulating signals received from a multiplicity of GPS satellites at a reference GPS
7	receiver, said reference GPS receiver being connected to the wireless telecommunications system
8	and having a determinate physical location relative to the Base Transceiver Station;
9	computing an estimated location of said reference GPS receiver using said
10	demodulated signals from said GPS satellites;

11	originating a request for approximate locational information from the GPS-equipped
12	mobile terminal to the Base Transceiver Station;
13	transmitting said estimated location of said reference GPS receiver from the Base
14	Transceiver Station to the GPS-equipped mobile terminal responsive to said request for approximate
15	locational information; and
16	determining, from said transmitted location of said reference GPS receiver, the
17	approximate location of the GPS-equipped mobile terminal;
18	wherein the GPS satellite signals comprise one of:
19	Standard Positioning Service (SPS) signals received on an L1 frequency, said
20	L1 frequency being centered at about 1575.42 MHz; or
21	Precise Positioning Service (PPS) signals received on an L2 frequency, said
22	L2 frequency being centered at about 1227.60 MHz.
1	20. (Amended) In a wireless telecommunications system having a Base Transceiver
2	Station and a mobile terminal equipped with an integrated Global Positioning System (GPS)
3	receiver, the Base Transceiver Station having operational control of the GPS-equipped mobile
4	terminal, a method for determining the approximate position of the GPS-equipped mobile terminal,
5	said method comprising the steps of:

6	demodulating signals received from a multiplicity of GPS satellites at a reference GPS
7	receiver, said reference GPS receiver being connected to the wireless telecommunications system
8	and having a determinate physical location relative to the Base Transceiver Station;
9	computing an estimated location of said reference GPS receiver using said
10	demodulated signals from said GPS satellites;
11	determining whether a GPS signal strength at the GPS-equipped mobile terminal is
12	adequate to permit initialization of the reference GPS receiver associated with the GPS-equipped
13	mobile terminal within a desired response time;
14	if not, originating a request for approximate locational information from the GPS-
15	equipped mobile terminal to the Base Transceiver Station;
16	transmitting said estimated location of said reference GPS receiver from the Base
17	Transceiver Station to the GPS-equipped mobile terminal responsive to said request for approximate
18	locational information; and
19	determining, from said transmitted location of said reference GPS receiver, the
20	approximate location of the GPS-equipped mobile terminal.

Station and a mobile terminal equipped with an integrated Global Positioning System (GPS)

receiver, the Base Transceiver Station having operational control of the GPS-equipped mobile

(Amended) In a wireless telecommunications system having a Base Transceiver

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Patent Application Docket No.27943-00252USPT P09890

4	terminal, a method for determining the approximate position of the GPS-equipped mobile terminal,
5	said method comprising the steps of:
6	demodulating signals received from a multiplicity of GPS satellites at a reference GPS
7	receiver, said reference GPS receiver being connected to the wireless telecommunications system
8	and having a determinate physical location relative to the Base Transceiver Station;
9	computing an estimated location of said reference GPS receiver using said
10	demodulated signals from said GPS satellites;
11	originating a request for approximate locational information from the GPS-equipped
12	mobile terminal to the Base Transceiver Station;
13	transmitting said estimated location of said reference GPS receiver from the Base
14	Transceiver Station to the GPS-equipped mobile terminal responsive to said request for approximate
15	locational information; and
16	determining, from said transmitted location of said reference GPS receiver, the
17	approximate location of the GPS-equipped mobile terminal;
18	wherein said step of transmitting is performed via one of:
19	a Cell Broadcast (CB) Short Message Service (SMS) message over the
20	wireless telecommunications system; or
21	a Broadcast Control Channel (BCCH) of the wireless telecommunications
22	system.

24. (Twice Amended) In a wireless telecommunications system having a Base
Transceiver Station and a mobile terminal equipped with an integrated Global Positioning System
(GPS) receiver, the Base Transceiver Station having operational control of the GPS-equipped mobile
terminal, a system for determining the approximate position of the GPS-equipped mobile terminal,
said system comprising:
demodulation means for demodulating signals received from a multiplicity of GPS
satellites at a reference GPS receiver, said reference GPS receiver being connected to the wireless
telecommunications system and having a determinate physical location relative to the Base
Transceiver Station;
signal recovery means for recovering navigational data signals from each of said
demodulated signals from said GPS satellites;
requesting means for requesting approximate navigational information for the GPS-
equipped mobile terminal from the Base Transceiver Station;
transmission means for transmitting said recovered navigational data signals to the
GPS-equipped mobile terminal responsive to said request for approximate navigational information;
and
determination means for determining, from said transmitted navigational data signals
to determine the approximate location of the GPS-equipped mobile terminal;
wherein the GPS satellite signals comprise one of:

20	Standard Positioning Service (SPS) signals received on an L1 frequency, said
21	L1 frequency being centered at about 1575.42 MHz; or
22	Precise Positioning Service (PPS) signals received on an L2 frequency, said
23	L2 frequency being centered at about 1227.60 MHz.
1	31. (Amended) In a wireless telecommunications system having a Base Transceiver
2	Station and a mobile terminal equipped with an integrated Global Positioning System (GPS)
3	receiver, the Base Transceiver Station having operational control of the GPS-equipped mobile
4	terminal, a system for determining the approximate position of the GPS-equipped mobile terminal,
5	said system comprising:
6	demodulation means for demodulating signals received from a multiplicity of GPS
7	satellites at a reference GPS receiver, said reference GPS receiver being connected to the wireless
8	telecommunications system and having a determinate physical location relative to the Base
9	Transceiver Station;
10	signal recovery means for recovering navigational data signals from each of said
11	demodulated signals from said GPS satellites;
12	determining means for determining whether a GPS signal strength at the GPS-
13	equipped mobile terminal is adequate to permit initialization of the reference GPS receiver
14	associated with the GPS-equipped mobile terminal within a desired response time;

requesting means for requesting approximate navigational information for the GPS-15 equipped mobile terminal from the Base Transceiver Station, if said GPS signal strength is not 16 adequate to permit said initialization; 17 transmission means for transmitting said recovered navigational data signals to the 18 GPS-equipped mobile terminal responsive to said request for approximate navigational information; 19 20 and determination means for determining, from said transmitted navigational data signals 21 to determine the approximate location of the GPS-equipped mobile terminal. 22

32. (Amended) In a wireless telecommunications system having a Base Transceiver Station and a mobile terminal equipped with an integrated Global Positioning System (GPS) receiver, the Base Transceiver Station having operational control of the GPS-equipped mobile terminal, a system for determining the approximate position of the GPS-equipped mobile terminal, said system comprising:

demodulation means for demodulating signals received from a multiplicity of GPS satellites at a reference GPS receiver, said reference GPS receiver being connected to the wireless telecommunications system and having a determinate physical location relative to the Base Transceiver Station;

signal recovery means for recovering navigational data signals from each of said demodulated signals from said GPS satellites;

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12	requesting means for requesting approximate navigational information for the GPS-
13	equipped mobile terminal from the Base Transceiver Station;
14	transmission means for transmitting said recovered navigational data signals to the
15	GPS-equipped mobile terminal responsive to said request for approximate navigational information;
16	and
17	determination means for determining, from said transmitted navigational data signals
18	to determine the approximate location of the GPS-equipped mobile terminal,
19	wherein said transmission means comprises one of:
20	a Cell Broadcast (CB) Short Message Service (SMS) message over the
21	wireless telecommunications system; or
22	a Broadcast Control Channel (BCCH) of the wireless telecommunications
23	system.
1	34. (Amended) In a wireless telecommunications system having a Base Transceiver
2	Station and a mobile terminal equipped with an integrated Global Positioning System (GPS)
3	receiver, the Base Transceiver Station having operational control of the GPS-equipped mobile
4	terminal, a system for determining the approximate position of the GPS-equipped mobile terminal,
5	said system comprising:
6	demodulation means for demodulating signals received from a multiplicity of GPS
7	satellites at a reference GPS receiver, said reference GPS receiver being connected to the wireless

8	telecommunications system and having a determinate physical location relative to the Base
9	Transceiver Station;
10	signal recovery means for recovering navigational data signals from each of said
11	demodulated signals from said GPS satellites;
12	requesting means for requesting approximate navigational information for the GPS-
13	equipped mobile terminal from the Base Transceiver Station;
14	transmission means for transmitting said recovered navigational data signals to the
15	GPS-equipped mobile terminal responsive to said request for approximate navigational information;
16	determination means for determining, from said transmitted navigational data signals
17	to determine the approximate location of the GPS-equipped mobile terminal,
18	means for periodically transmitting a Timing Advance parameter from the Base
19	Transceiver Station to the GPS-equipped mobile terminal to dynamically compensate for varying
20	distances between the GPS-equipped mobile terminal and the Base Transceiver Station; and
21	means for refining said approximate location of the GPS-equipped mobile terminal
22	using said Timing Advance parameter.
1	36. (Twice Amended) In a wireless telecommunications system having a Base

Transceiver Station and a mobile terminal equipped with an integrated Global Positioning System

(GPS) receiver, the Base Transceiver Station having operational control of the GPS-equipped mobile

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4	terminal, a system for determining the approximate position of the GPS-equipped mobile terminal
5	said system comprising:
6	a demodulator for demodulating signals received from a multiplicity of GPS satellites
7	at a reference GPS receiver, said reference GPS receiver being connected to the wireless
8	telecommunications system and having a determinate physical location relative to the Base
9	Transceiver Station;
10	computing means for determining an estimated location of said reference GPS
11	receiver using said demodulated signals from said GPS satellites;
12	requesting means for requesting approximate locational information from the GPS-
13	equipped mobile terminal to the Base Transceiver Station;
14	a transmitter for transmitting the location of said reference GPS receiver from the
15	Base Transceiver Station to the GPS-equipped mobile terminal responsive to said request for said
16	approximate locational information; and
17	determination means for determining the approximate location of the GPS-equipped
18	mobile terminal using said transmitted location of said reference GPS receiver;
19	wherein the GPS satellite signals comprise one of:
20	Standard Positioning Service (SPS) signals received on an L1 frequency, said
21	L1 frequency being centered at about 1575.42 MHz; or
22	Precise Positioning Service (PPS) signals received on an L2 frequency, said
23	L2 frequency being centered at about 1227.60 MHz.

43. (Amended) In a wireless telecommunications system having a Base Transceiver
Station and a mobile terminal equipped with an integrated Global Positioning System (GPS)
receiver, the Base Transceiver Station having operational control of the GPS-equipped mobile
terminal, a system for determining the approximate position of the GPS-equipped mobile terminal,
said system comprising:
a demodulator for demodulating signals received from a multiplicity of GPS satellites
at a reference GPS receiver, said reference GPS receiver being connected to the wireless
telecommunications system and having a determinate physical location relative to the Base
Transceiver Station;
computing means for determining an estimated location of said reference GPS
receiver using said demodulated signals from said GPS satellites;
determining means for determining whether a GPS signal strength at the GPS-
equipped mobile terminal is adequate to permit initialization of the reference GPS receiver
associated with the GPS-equipped mobile terminal within a desired response time;
requesting means for requesting approximate locational information from the GPS-
equipped mobile terminal to the Base Transceiver Station, if said GPS signal strength is not adequate
to permit said initialization;

18	a transmitter for transmitting the location of said reference GPS receiver from the
19	Base Transceiver Station to the GPS-equipped mobile terminal responsive to said request for said
20	approximate locational information; and
21	determination means for determining the approximate location of the GPS-equipped
22	mobile terminal using said transmitted location of said reference GPS receiver.
1	44. (Amended) In a wireless telecommunications system having a Base Transceiver
2	Station and a mobile terminal equipped with an integrated Global Positioning System (GPS)
3	receiver, the Base Transceiver Station having operational control of the GPS-equipped mobile
4	terminal, a system for determining the approximate position of the GPS-equipped mobile terminal,
5	said system comprising:
6	a demodulator for demodulating signals received from a multiplicity of GPS satellites
7	at a reference GPS receiver, said reference GPS receiver being connected to the wireless
8	telecommunications system and having a determinate physical location relative to the Base
9	Transceiver Station;
10	computing means for determining an estimated location of said reference GPS
11	receiver using said demodulated signals from said GPS satellites;
12	requesting means for requesting approximate locational information from the GPS-

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equipped mobile terminal to the Base Transceiver Station;